Inspiring Excellence in Manufacturing
Advanced planning and scheduling (APS) can be complex, and most existing solutions are complex and inflexible. You need to be able to optimize resources and capacity to more efficiently and cost-effectively manage manufacturing execution processes, as well as better meet customer expectations.

SYN//AX combines Hitachi Solutions’ over 100 years of production experience with next generation Microsoft Dynamics AX ERP technology to provide an end-to-end solution for manufacturing execution and advanced planning, and scheduling. With SYN//AX, you can manage resources and work cells, simulate changes in demand and resource capacities, understand the cost impacts of executing on changes, and give your production planner a complete 360 degree view of the production operation.

Comprehensive Solution for Advanced Planning and Scheduling and Manufacturing Execution
SYN//AX offers an innovative perspective on efficiently managing production resources, easily reacting to changes, optimizing planning and scheduling, and speeding time to value. It moves you away from traditional manufacturing resource planning (MRP) to proactive and planned operational and resource scheduling that gives your production floor and resources a simpler, easier way to react to changes and different priorities as the day evolves. Although traditional MRP still provides a master plan that spans a period of time; SYN//AX leverages a new variable, your planner, who has invaluable skills and know-how.

Built on a Microsoft Dynamics AX technology platform and utilizing other Microsoft enterprise applications, SYN//AX provides an integrated, centralized system that allows you to effectively plan constraint-based orders, simulate changes on orders, do what if analysis, and provide production planners with a dashboard for visibility and insight into the production sites.

Specialized Features for Industry Benefits
Key business areas SYN//AX helps you manage include:

- **Plan Constraint-based Orders** — Being able to accommodate and plan orders with certain priorities is crucial to minimize lead-time and deliver on customers’ SLAs. With SYN//AX, we give your team the ability to manage priority orders coming in through different types of demand, and those priorities are setup based on multiple constraints such as customer, customer group, program or project, inventory, inventory type, or more.

- **Simulate Changes on Orders, What If Analysis** — Enabling productivity and eliminating errors is key to effectively managing production priorities. With Syn//AX we allow you to simulate changes in production quantities, replenishment orders, and transfer orders as well as supplier orders. SYN//AX provides a dashboard for the production planner to enable “What if” plan analysis and have a comparative view of the different simulation for better decision-making and firming orders.

- **Insight into Production Sites** — SYN//AX allows a complete 360 view across multiple resources available to your production sites. Planners have the visibility they need into sites and production capacities to effectively schedule resources and manage backlog.
WHY HITACHI SOLUTIONS?
Hitachi Solutions helps its customers to successfully compete in a global marketplace with powerful, easy-to-use, and affordable industry solutions built on Dynamics AX and Dynamics CRM.

AWARDS & RECOGNITIONS
Dynamics AX & CRM
Global Partner of the Year
US Partner of the Year
Presidents Club
Inner Circle

Benefits
- Provides 360 degree view of capacity and resources
- Simulates changes prior to firming plans
- Supports constraints and priorities of orders
- Schedules available resources across sites and plants
- Improves productivity of your production planners

Key Features
- Multi-Input to Plans including MRP, Replenishments, Safe Stock, etc.
- What if Simulation
- Priority Orders & Settings
- Visual Production & Simulation Dashboard
- Scheduling Based on Capacity, Resource Constraints
- Automatic Simulation Based on Period by Capacity Leveling
- Z and N Resource Capacity Scheduling
- Production Order Distribution & Optimization
- Forward Scheduling
- Plan Metrics